

CLAIMS

1. An electret condenser, comprising:
- a first film including a first electrode;
- a second film including a second electrode and an electret film;
- 5 a first insulating film formed between the first film and the second film; and
- an air gap formed by removing part of the first insulating film,
- wherein respective parts of the first film and the second film exposed in the air gap
- are formed of a second insulating film.
- 10 2. The electret condenser of Claim 1,
- wherein at least one of the first electrode and the second electrode has a through
- hole communicating with the air gap.
- 15 3. The electret condenser of Claim 1,
- wherein the second insulating film is an insulating film having tensile stress.
4. The electret condenser of Claim 1,
- wherein the second insulating film is a silicon nitride film.
- 20 5. The electret condenser of Claim 1,
- wherein the first insulating film is a lamination layer of a plurality of insulating
- films made of the same material.
6. The electret condenser of Claim 1,
- 25 wherein the first film is a fixed film, and the second film is a vibrating film.